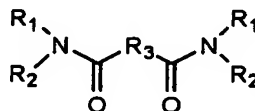


## ABSTRACT

There is provided a novel extractant for palladium capable of improving an extraction speed in comparison with a case of utilizing a DHS being a conventional extractant, and a method for separation and recovery of palladium utilizing the same. The present invention provides a method for obtaining a palladium-containing aqueous solution by bringing an organic phase containing an extractant of a sulfur-containing diamide compound represented by the following structural formula (1):

(1)



in which  $R_1$  and  $R_2$  each represent a group selected from a chain hydrocarbon group having 1 to 18 carbon atoms which may be branched, an alicyclic hydrocarbon group having 1 to 10 carbon atoms, and an aromatic hydrocarbon group having 1 to 14 carbon atom, and  $R_3$  represents a group represented by  $\{(CH_2)_nS(CH_2)_m\}_L$  in which  $n$ ,  $m$  and  $L$  each represent an integer of from 1 to 4; extracting palladium by the organic phase; and conducting a back-extraction of palladium, extracted by the organic phase, with an aqueous solution of hydrochloric acid containing thiourea.